
Cranes — Requirements for test loads

Appareils de levage à charge suspendue — Exigences pour les charges d'essai

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Cranes — Requirements for test loads

1 Scope

This International Standard establishes

- methods for composition and measurement of test loads;
- procedures for the application of test loads during the testing of cranes.

This International Standard was developed in addition to ISO 4310 and covers the types of cranes described in ISO 4306-1.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 4306-1, *Cranes — Vocabulary — Part 1: General*

ISO 4310, *Cranes — Test code and procedures*

ISO 7363, *Cranes and lifting appliances — Technical characteristics and acceptance documents*

ISO 9373, *Cranes and related equipment — Accuracy requirements for measuring parameters during testing*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

test load

load designed for crane testing, which may consist of one or several components

3.2

direct method of measuring the mass of a test load

determining the mass of a test load by weighing

3.3

combined method of measuring the mass of a test load

determining the mass of a test load by calculating the sum of the masses of its components as determined by the direct method and/or calculation

3.4

application of test load

action whereby the mass of a test load is transferred to the structure of the crane during the testing cycle